

OIPE

1500
 RAW SEQUENCE LISTING DATE: 09/21/2000
 PATENT APPLICATION: US/09/657,431 TIME: 15:17:46

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ENTERED

3 <110> APPLICANT: ConjuChem, Inc.
 4 Beliveau, Richard
 5 Bridon, Dominique
 6 Rasamoelisolo, Michele
 7 Thibaudeau, Karen
 8 Huang, Xicai
 10 <120> TITLE OF INVENTION: Long Lasting Anti-Angiogenic Peptides
 12 <130> FILE REFERENCE: 2200
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/657,431
 C--> 15 <141> CURRENT FILING DATE: 2000-09-07
 17 <150> PRIOR APPLICATION NUMBER: 60/134,406
 18 <151> PRIOR FILING DATE: 1999-05-17
 20 <160> NUMBER OF SEQ ID NOS: 16
 22 <170> SOFTWARE: PatentIn Ver. 2.1
 24 <210> SEQ ID NO: 1
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 35 1 5 10 15
 37 Val Thr Lys Lys Gln Leu Gly Ala Gly Ser Ile Glu Glu Cys Ala Ala
 38 20 25 30
 40 Lys Cys Glu Glu Asp Glu Glu Phe Thr Cys Arg Ala Phe Gln Tyr His
 41 35 40 45
 43 Ser Lys Glu Gln Gln Cys Val Ile Met Ala Glu Asn Arg Lys Ser Ser
 44 50 55 60
 46 Ile Ile Ile Arg Met Arg Asp Val Val Leu Phe Glu Lys Lys Val Tyr
 47 65 70 75 80
 49 Leu Ser Glu Cys Lys Thr Gly Asn Gly Lys Asn Tyr Arg Gly Thr Ser
 50 85 90 95
 52 Lys Thr Lys Asn Gly Ile Thr Cys Gln Lys Trp Ser Ser Thr Ser Pro
 53 100 105 110
 55 His Arg Pro Arg Phe Ser Pro Ala Thr His Pro Ser Glu Gly Leu Glu
 56 115 120 125
 58 Glu Asn Tyr Cys Arg Asn Pro Asp Asn Asp Pro Gln Gly Pro Trp Cys
 59 130 135 140
 61 Tyr Thr Thr Asp Pro Glu Lys Arg Tyr Asp Tyr Cys Asp Ile Leu Glu
 62 145 150 155 160
 64 Cys Glu Glu Glu Cys Met His Cys Ser Gly Glu Asn Tyr Asp Gly Lys
 65 165 170 175
 67 Ile Ser Lys Thr Met Ser Gly Leu Glu Cys Gln Ala Trp Asp Ser Gln
 68 180 185 190
 70 Ser Pro His Ala His Gly Tyr Ile Pro Ser Lys Phe Pro Asn Lys Asn

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71	195	200	205
73	Leu Lys Lys Asn Tyr Cys Arg Asn Pro Asp Arg Glu Leu Arg Pro Trp		
74	210	215	220
76	Cys Phe Thr Thr Asp Pro Asn Lys Arg Trp Glu Leu Cys Asp Ile Pro		
77	225	230	235
79	Arg Cys Thr Thr Pro Pro Pro Ser Ser Gly Pro Thr Tyr Gln Cys Leu		
80	245	250	255
82	Lys Gly Thr Gly Glu Asn Tyr Arg Gly Asn Val Ala Val Thr Val Ser		
83	260	265	270
85	Gly His Thr Cys Gln His Trp Ser Ala Gln Thr Pro His Thr His Asn		
86	275	280	285
88	Arg Thr Pro Glu Asn Phe Pro Cys Lys Asn Leu Asp Glu Asn Tyr Cys		
89	290	295	300
91	Arg Asn Pro Asp Gly Lys Arg Ala Pro Trp Cys His Thr Thr Asn Ser		
92	305	310	315
94	Gln Val Arg Trp Glu Tyr Cys Lys Ile Pro Ser Cys Asp Ser Ser Pro		
95	325	330	335
97	Val Ser Thr Glu Gln Leu Ala Pro Thr Ala Pro Pro Glu Leu Thr Pro		
98	340	345	350
100	Val Val Gln Asp Cys Tyr His Gly Asp Gly Gln Ser Tyr Arg Gly Thr		
101	355	360	365
103	Ser Ser Thr Thr Thr Gly Lys Lys Cys Gln Ser Trp Ser Ser Met		
104	370	375	380
106	Thr Pro His Arg His Gln Lys Thr Pro Glu Asn Tyr Pro Asn Ala Gly		
107	385	390	395
109	Leu Thr Met Asn Tyr Cys Arg Asn Pro Asp Ala Asp Lys Gly Pro Trp		
110	405	410	415
112	Cys Phe Thr Thr Asp Pro Ser Val Arg Trp Glu Tyr Cys Asn Leu Lys		
113	420	425	430
115	Lys Cys Ser Gly Thr Glu Ala Ser Val Val Ala Pro Pro Pro Val Val		
116	435	440	445
118	Leu Leu Pro Asp Val Glu Thr Pro Ser Glu Glu Asp Cys Met Phe Gly		
119	450	455	460
121	Asn Gly Lys Gly Tyr Arg Gly Lys Arg Ala Thr Thr Val Thr Gly Thr		
122	465	470	475
124	Pro Cys Gln Asp Trp Ala Ala Gln Glu Pro His Arg His Ser Ile Phe		
125	485	490	495
127	Thr Pro Glu Thr Asn Pro Arg Ala Gly Leu Glu Lys Asn Tyr Cys Arg		
128	500	505	510
130	Asn Pro Asp Gly Asp Val Gly Gly Pro Trp Cys Tyr Thr Thr Asn Pro		
131	515	520	525
133	Arg Lys Leu Tyr Asp Tyr Cys Asp Val Pro Gln Cys Ala Ala Pro Ser		
134	530	535	540
136	Phe Asp Cys Gly Lys Pro Gln Val Glu Pro Lys Lys Cys Pro Gly Arg		
137	545	550	555
139	Val Val Gly Gly Cys Val Ala His Pro His Ser Trp Pro Trp Gln Val		
140	565	570	575
142	Ser Leu Arg Thr Arg Phe Gly Met His Phe Cys Gly Gly Thr Leu Ile		
143	580	585	590

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145 Ser Pro Glu Trp Val Leu Thr Ala Ala His Cys Leu Glu Lys Ser Pro
 146 595 600 605
 148 Arg Pro Ser Ser Tyr Lys Val Ile Leu Gly Ala His Gln Glu Val Asn
 149 610 615 620
 151 Leu Glu Pro His Val Gln Glu Ile Glu Val Ser Arg Leu Phe Leu Glu
 152 625 630 635 640
 154 Pro Thr Arg Lys Asp Ile Ala Leu Leu Lys Leu Ser Ser Pro Ala Val
 155 645 650 655
 157 Ile Thr Asp Lys Val Ile Pro Ala Cys Leu Pro Ser Pro Asn Tyr Val
 158 660 665 670
 160 Val Ala Asp Arg Thr Glu Cys Phe Ile Thr Gly Trp Gly Glu Thr Gln
 161 675 680 685
 163 Gly Thr Phe Gly Ala Gly Leu Leu Lys Glu Ala Gln Leu Pro Val Ile
 164 690 695 700
 166 Glu Asn Lys Val Cys Asn Arg Tyr Glu Phe Leu Asn Gly Arg Val Gln
 167 705 710 715 720
 169 Ser Thr Glu Leu Cys Ala Gly His Leu Ala Gly Gly Thr Asp Ser Cys
 170 725 730 735
 172 Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Phe Glu Lys Asp Lys Tyr
 173 740 745 750
 175 Ile Leu Gln Gly Val Thr Ser Trp Gly Leu Gly Cys Ala Arg Pro Asn
 176 755 760 765
 178 Lys Pro Gly Val Tyr Val Arg Val Ser Arg Phe Val Thr Trp Ile Glu
 179 770 775 780
 181 Gly Val Met Arg Asn Asn
 182 785 790
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 195 Pro Arg Lys Leu Tyr Asp Lys
 196 1 5
 199 <210> SEQ ID NO: 3
 200 <211> LENGTH: 12
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 205 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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 209 Tyr Thr Thr Asn Pro Arg Lys Leu Tyr Asp Tyr Lys
 210 1 5 10
 213 <210> SEQ ID NO: 4
 214 <211> LENGTH: 24
 215 <212> TYPE: PRT

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226 Pro Arg Lys Leu Tyr Asp Tyr Lys
227 20
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232 <212> TYPE: PRT
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241 1 5 10
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254 Pro Arg Lys Leu Tyr Asp Tyr Lys
255 1 5
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274 <212> TYPE: PRT
275 <213> ORGANISM: Artificial Sequence
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279 Peptide
281 <400> SEQUENCE: 8
282 Tyr Thr Thr Asn Pro Arg Lys Leu Tyr Asp Tyr
283 1 5 10

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Input Set : A:\Redcl.app
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293 Peptide
295 <400> SEQUENCE: 9
296 Arg Asn Pro Asp Gly Asp Val Gly Gly Pro Trp Ala Tyr Thr Thr Asn
297 1 5 10 15
299 Pro Arg Lys Leu Tyr Asp Tyr
300 20
303 <210> SEQ ID NO: 10
304 <211> LENGTH: 7
305 <212> TYPE: PRT
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312 <400> SEQUENCE: 10
313 Arg Lys Leu Tyr Asp Tyr Lys
314 1 5
317 <210> SEQ ID NO: 11
318 <211> LENGTH: 6
319 <212> TYPE: PRT
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333 <212> TYPE: PRT
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337 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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341 Pro Arg Lys Leu Tyr Asp Lys
342 1 5
345 <210> SEQ ID NO: 13
346 <211> LENGTH: 6
347 <212> TYPE: PRT
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350 <220> FEATURE:
351 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/657,431 DATE: 09/21/2000
TIME: 15:17:47

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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date